Erik Ter-Gabrielyan
STAT100 Section 0122

Problem Set 2

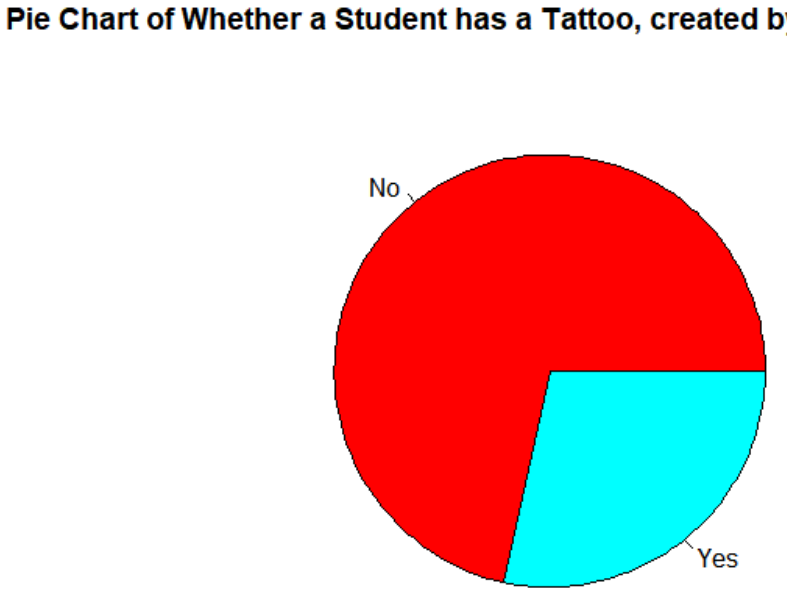
1a.

```
> load("C:/Users/ErikTG/Downloads/Course_Data_Set.RData")
> # Erik Ter-Gabrielyan
> # Problem Set 2
> table1 <- table(Course_Data_Set$Tatoos)
> percent <- 100*table1/sum(table1)
> percent
> table2 <- table(Course_Data_Set$Age_group)
> table2
> percent2 <- 100*table2/sum(table2)
> percent2
```

```
> table(Course_Data_Set$Tatoos)

 No Yes
986 392
> table1 <- table(Course_Data_Set$Tatoos)
> percent <- 100*table1/sum(table1)
> percent

      No      Yes
71.55298 28.44702
> table2 <- table(Course_Data_Set$Age_group)
> table2

22 or younger       23 - 28        29 -35       Over 35
         1137           147            60            43
> percent2 <- 100*table2/sum(table2)
> percent2

22 or younger       23 - 28        29 -35       Over 35
    81.975487     10.598414      4.325883      3.100216
```

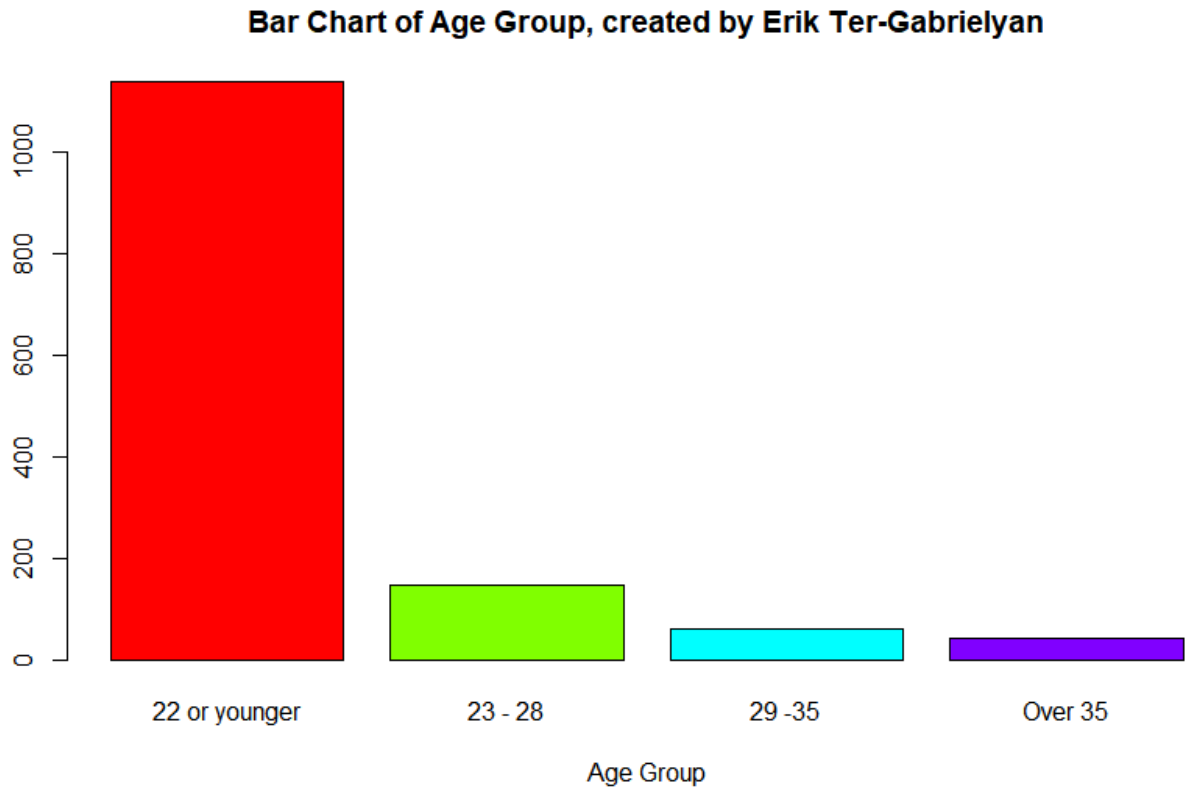
1b.

```
> pie((table1), col = rainbow(length(table1)), main = "Pie Chart of Whether a Student has a Tattoo, created by Erik Ter-Gabrielyan")
```




1c.

> barplot((table2), col = rainbow(length(table2)), xlab = "Age Group", main = "Bar Chart of Age Group, created by Erik Ter-Gabrielyan")



1d.
I have found that 71.55298% (or 71.55%) of students in the Course Data Set responded that they do not have any tattoos.

1e.
I have found that there are more students in the 29-35 age group than in the over 35 age group in the Course Data Set. There are 60 people aged 29-35 and only 43 aged over 35